

Product Datasheet

LOX propeptide Antibody NBP1-30012

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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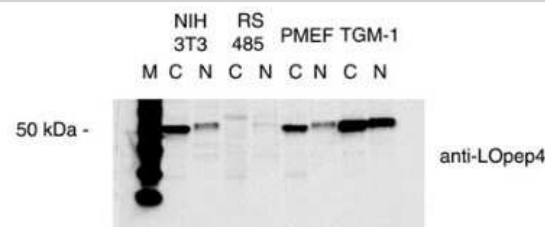
NBP1-30012

LOX propeptide Antibody

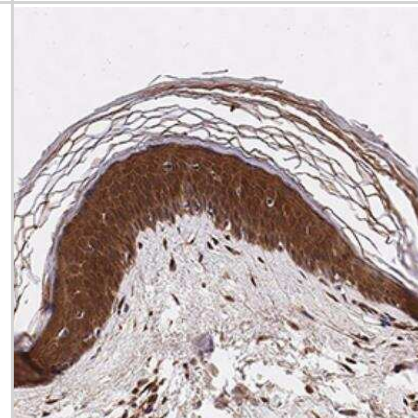
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	50 kDa
Product Description	
Host	Rabbit
Gene ID	4015
Gene Symbol	LOX
Species	Human, Mouse
Reactivity Notes	Human and mouse. Immunogen has 100% homology with rat.
Immunogen	A synthetic peptide made to an internal region of mouse LOX propeptide (within residues 135-155). [Swiss-Prot P28301]
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.35 ug/ml, Simple Western 1:200, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin
Application Notes	<p>This LOX propeptide antibody is useful for Immunocytochemistry/Immunofluorescence, Immunohistochemistry and Western blot, where a band is seen approx. 50 kDa.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

Images

Western Blot: LOX propeptide Antibody [NBP1-30012] - Western blot on cytoplasmic (c) and nuclear (n) extracts of NIH 3T3, ras-transformed (RS 485), PMEF and TGM-1 mouse fibroblast cells.



Immunohistochemistry-Paraffin: LOX propeptide Antibody [NBP1-30012] - IHC analysis of formalin fixed paraffin-embedded (FFPE) human skin using LOX propeptide antibody at 1:50 on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Cytoplasmic and plasma membrane staining was observed. Staining was performed by Histowiz.



Simple Western: LOX propeptide Antibody [NBP1-30012] - Simple Western lane view shows a specific band for LOX propeptide in 0.05 mg/ml of Jurkat lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Di Stefano V, Torsello B, et al. Major Action of Endogenous Lysyl Oxidase in Clear Cell Renal Cell Carcinoma Progression and Collagen Stiffness Revealed by Primary Cell Cultures. *Am J Pathol* 2016-09-01 [PMID: 27449199] (WB, Human)

Contente S, Yeh TJ, Friedman RM. Tumor suppressive effect of lysyl oxidase proenzyme. *Biochim Biophys Acta* 2009-07-01 [PMID: 19410608]



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